

REISSUE APPLICATION DECLARATION BY THE INVENTOR(S)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,600,462, granted February 4, 1997, and for which a reissue patent is sought on the invention entitled "Optical Film and Logical Crystal Display Device Using the Film", the specification of which

- ☒ is attached hereto
- ☐ was filed on _____ as reissue application number ____/_____ and was amended on _____ (if applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CRF 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- ☐ by reason of a defective specification or drawing.
- ☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
- ☐ by reason of other errors.

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At least one error upon which reissue is based is described as follows:

1. I intended to describe and claim a feature of my invention of enhancing illumination through a film by "directionally distributing [diffused light] from smooth surfaces of the prisms". Such feature is shown in the drawings as filed in the original application from which the '462 patent issued. (See, for example, Figure 5, 55A, 56A, 57A, 58A and angle 'A'). Such feature was not claimed in the application and is not in the claims of the '462 patent.

2. Each of claims 1 to 7 of the '462 patent requires "a top angle of said isosceles triangle prisms in a range of 95 degrees to 120 degrees". I intended only that a top angle of about 90 degrees to about 120 degrees be required. A top angle of 90 degrees to 120 degrees was claimed in the initial filing of the original application from which the '462 patent issued.

These deficiencies arose after the filing of the original application from which the '462 patent issued and were caused by the failure of the patent attorney in appreciating the full scope of my invention.

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

MANNY W. SCHECTER, Reg. No. 31,722; **TERRY ILARDI**, Reg. 29,936; **CHRISTOPHER A. HUGHES**, Reg. No. 26,914; **EDWARD A. PENNINGTON**, Reg. No. 32,588; **JOHN E. HOEL**, Reg. No. 26,279; **JOSEPH C. REDMOND, Jr.**, Reg. No. 18,753; **ROBERT P. TASSINARI, Jr.**, Reg. No. 36,030; **DOUGLAS W. CAMERON**, Reg. No. 31,596; **KEVIN M. JORDAN**, Reg. No. 40,277; **STEPHEN C. KAUFMAN**, Reg. No. 29,551; **DANIEL P. MORRIS**, Reg. No. 32,053; **LOUIS J. PERCELLO**, Reg. No. 33,206; **JAY P. SBROLLINI**, Reg. No. 36,266; **ROBERT M. TREPP**, Reg. No. 25,933; **DAVID M. SHOFL**, Reg. No. 39,835; **LOUIS P. HERZBERG**, Reg. No. 41,500; and **PAUL J. OTTERSTEDT**, Reg. No. 37,411; each of them of **INTERNATIONAL BUSINESS MACHINES CORPORATION**, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false

09241989 020259

Full name of sole or first inventor: Masaru Suzuki

26 JAN 1999
Date

Date _____

Japan

Citizenship

26 JAN 1999
Date

Date

Japan

Citizenship

Inventor's signature

Date

Citizenship

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Suzuki et al.

FOR: Reissue of Patent No. 5,600,462

PRIOR GROUP: Art Unit 2515

FOR: OPTICAL FILM AND A LIQUID CRYSTAL DISPLAY
DEVICE USING THE FILM

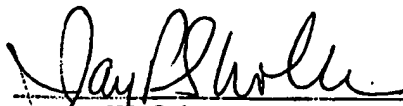
ASSOCIATE POWER OF ATTORNEY

Please recognize **FRANK CHAU**, Reg. No. 34,136; **JAMES J. BITETTO**, Reg. No. 40,513, and **GASPARE J. RANDAZZO**, Reg. No. 41,528; each of them of **F. CHAU & ASSOCIATES, LLP**, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554 as associate attorneys in the above-mentioned application, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Telephone calls should be made to Frank Chau by dialing (516) 357-0091.

All written communications are to be sent to Frank Chau, Esq.,
F. Chau & Associates, I.L.P., 1900 Hempstead Turnpike, Suite 501, East Meadow,
New York 11554.

International Business Machines
Corporation
T.J. Watson Research Center
Route 134 and Kitchawan Road
Yorktown Heights, New York 10598


Manny W. Schechter
Registration No. 31,722
Jay P. Sbrollini
Registration No. 36,266
Attorney for Applicant(s)

552020 68614260

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Suzuki et al. Date: January 22, 1999
For: Reissue of Patent No. 5,600,462 Prior Group Art Unit: 2515
dated February 4, 1997
For: OPTICAL FILM AND A LIQUID CRYSTAL DISPLAY DEVICE USING THE
FILM

ASSENT OF ASSIGNEE TO REISSUE APPLICATION

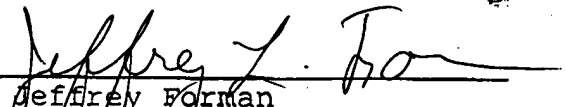
The Assistant Commissioner For Patents
Washington, D.C. 20131

Dear Sir:

International Business Machines Corporation, a corporation of the
State of New York, assignee of the entire right, title and
interest in and to United States Letters Patent No. 5,600,462,
issued to Suzuki et al. by its duly authorized officer, hereby
assents to the application for a reissue of said Letters Patent
filed concurrently herewith.

INTERNATIONAL BUSINESS MACHINES
CORPORATION

BY:


Jeffrey Forman
Manager, Information Services

Date: 22 January 1999

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/~~Patent Owner~~: Suzuki et al.

~~Application No./~~Patent No.: 5,600,462 ~~Filed/~~Issue Date: February 4, 1997

Entitled: OPTICAL FILM AND LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM

INTERNATIONAL BUSINESS
MACHINES CORPORATION

, a Corporation,

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 6846, Frame 0799, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE:] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

22 January 1999
Date

Jeffrey Z. Do
Signature

Typed or printed name

Title

LETTER OF AUTHORITY

I, Marshall C. Phelps, Vice President, Intellectual Property and Licensing of International Business Machines Corporation (IBM), a New York corporation, do hereby delegate the authority to approve and execute documents on behalf of IBM relating to proceedings in the Patent, Trademark Registration or Copyright Offices servicing any country or region of the world, or to related appeal proceedings, including, but not limited to: petitions; powers of Attorney; authorizations; verification; nominations of representatives; declarations; documents relating to maintenance and defense of the resulting industrial property rights; assignments of rights to apply for and acquire patents and trademark registrations, and evidence of such assignments; request for the registration of patents as available for licensing; reports of inventions and petitions for waiver of patent rights to any department or agency of the United States Government; and, assignments, licenses and other instruments confirmatory of Government rights in patents and inventions, to Jeffrey L. Forman, Manager, Information Services, Intellectual Property Law, Washington.

Date:

3/25/96

Marshall C. Phelps, Jr.
Marshall C. Phelps, Jr.
Vice President - Intellectual Property & Licensing
International Business Machines Corporation



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 03/01/94
TO:

N04C

DAVID AKER
IBM CORPORATION
INTELLECTUAL PROPERTY LAW
P.O. BOX 218
YORKTOWN HEIGHTS, NY 10598

JA992-011

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:
SUZUKI, MASARU

DOC DATE: 12/01/93

ASSIGNOR:
HANZAWA, FUMIHISA

DOC DATE: 11/12/93

ASSIGNOR:
MOGI, MANABU

DOC DATE: 11/12/93

RECORDATION DATE: 12/15/93 NUMBER OF PAGES 003 REEL/FRAME 6846/0799

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
IBM CORPORATION
OLD ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER 8-121657 FILING DATE 09/14/93
PATENT NUMBER ISSUE DATE 00/00/00

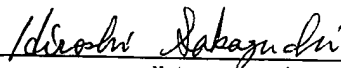
Connie Miller

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

Country of Japan

INVENTOR
(1)

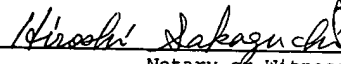
On this 1st day of December, 1993, before me personally came
Masaru Suzuki to me personally known, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.


Notary or Witness
HIROSHI SAKAGUCHI (Patent Attorney)
(Registration Number: 8624)

Country of Japan

INVENTOR
(2)

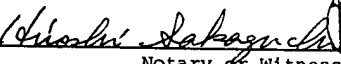
On this 12th day of Nov. 1993, before me personally came
Fumihisa Hanzawa to me personally known, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.


Notary or Witness
HIROSHI SAKAGUCHI (Patent Attorney)
(Registration Number: 8624)

Country of Japan

INVENTOR
(3)

On this 12th day of Nov. 1993, before me personally came
Manabu Mogi to me personally known, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.


Notary or Witness
HIROSHI SAKAGUCHI (Patent Attorney)
(Registration Number: 8624)

RECORDED
PATENT & TRADEMARK OFFICE

DEC 15 93

6846
0801
REEL
FRANCE

Assignment

Inventor
and City

Whereas, we

(1) Masaru Suzuki
Country of Japan

of Kanagawa-ken

and (2) Fumihisa Hanzawa
Country of Japan

of Kanagawa-ken

and (3) Manabu Mogi
Country of Japan

of Kanagawa-ken

6846

REEL

0800

FRAME

have invented certain improvements in

TITLE OPTICAL FILM AND A LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM
(Filed: September 14, 1993, Serial No.08/121,657)

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

and executed, respectively, a United States patent application therefor on
(1) 1st of Dec 1993, and (2) 12th of Nov. 1993, and (3) 12th of Nov 1993

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York,
having a place of business at Armonk, New York 10504, (hereinafter called IBM) desires to
acquire the entire right, title and interest in the said application and invention, and to any
United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above
named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right,
title and interest in the said application and invention therein disclosed for the United States
and foreign countries, and all rights of priority resulting from the filing of said United States
application, and we request the Commissioner of Patents to issue any Letters Patent granted upon
the inventions set forth in said application to IBM, its successors and assigns; and we hereby
agree that IBM may apply for foreign Letters Patent on said invention and we will execute all
papers necessary in connection with the United States and foreign applications when called upon
to do so by IBM.

CITY (1) at Kanagawa-ken, Japan
DATE on 1st of Dec 1993, (Masaru Suzuki) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

CITY and (2) at Kanagawa-ken, Japan
DATE on 12th of Nov. 1993, (Fumihisa Hanzawa) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

CITY and (3) at Kanagawa-ken, Japan
DATE on 12th of Nov 1993, (Manabu Mogi) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

RECORDATION FORM COVER SHEET
PATENTS ONLY

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masaru Suzuki
Fumihisa Hanzawa
Manabu Mogi

2. Name and address of receiving party(ies):

Name: IBM Corporation
Address: Old Orchard Road
Armonk, NY 10504

Additional name(s) of conveying party(ies) attached? Yes x No

Additional name(s) & addresses attached? Yes x No

3. Nature of conveyance:

x Assignment

4. Patent Application number(s):

08/121,657

Execution Date(s): 12/1/93, 11/12/93, 11/12/93

Execution Date(s): 12/1/93, 11/12/93, 11/12/93

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David Aker
Address: IBM Corporation
Intellectual Property Law
P.O. Box 218
Yorktown Heights, NY 10598

6. Total number of applications involved: 1

7. Total fee (37 CFR 3.41): \$40.00

x Charge to Deposit Account No.: 09-0468

(A duplicate copy of this sheet is enclosed)

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JAN 07 1994

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APPLICATION DIVISION

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document.

David Aker Reg. No. 29,277

David Aker Dec 8, 1993

Name of Person Signing

Signature

Date

Total number of pages including cover sheet attachments, and document: 4

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